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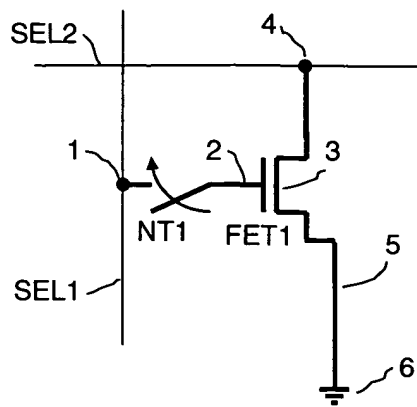


Figure 1A

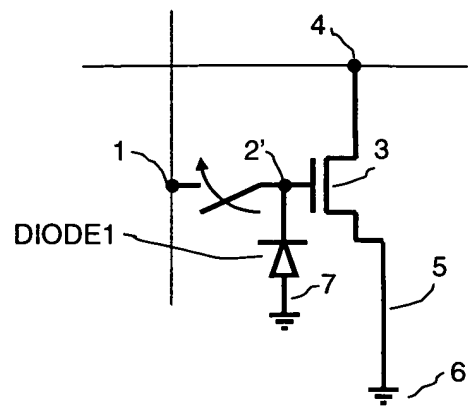


Figure 1B

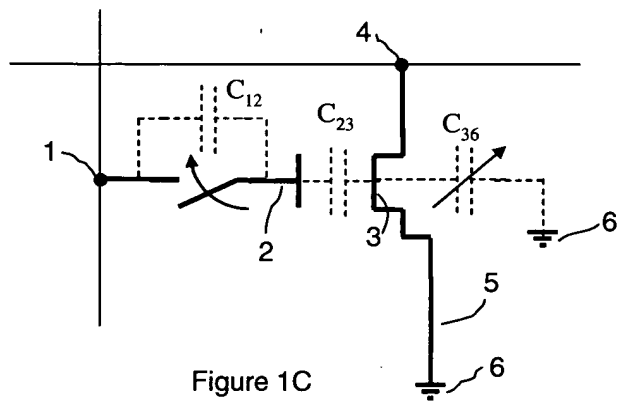


Figure 1C

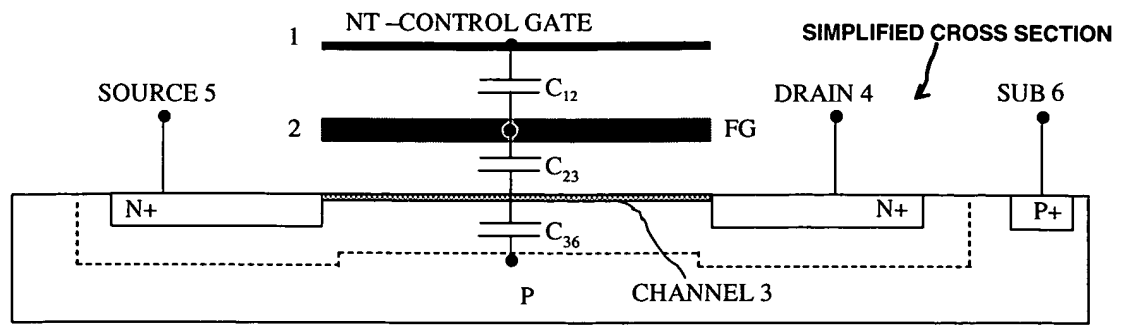
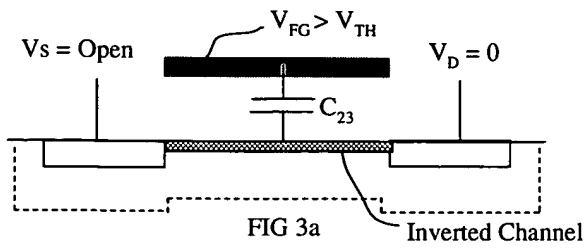
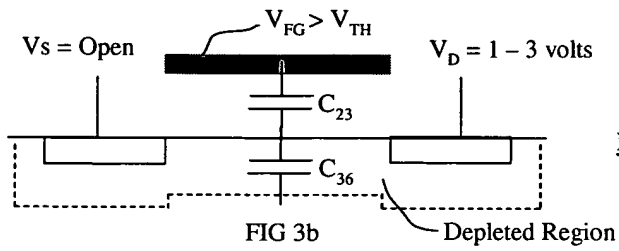


FIG 2



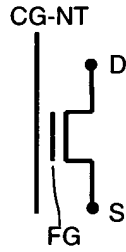
CHANNEL REGION MODULATION

Inverted Channel: electrons at $V_D = 0$ volts

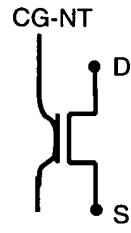
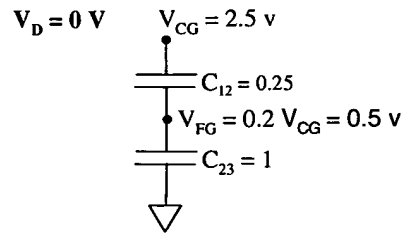


Depleted Channel: electrons flow to positive terminal

WRITE "1": "OFF"



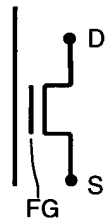
"ON"



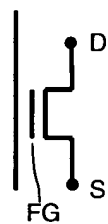
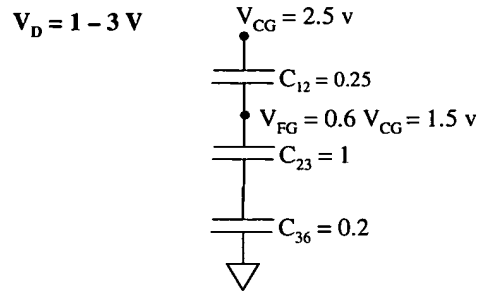
NT Select Voltage $V_{NT \text{ SELECT}} = V_{CG} - V_{FG} = 2.0 \text{ v}$

FIG 4a

WRITE "0": "OFF"



"OFF"



NT Select Voltage $V_{NT \text{ SELECT}} = V_{CG} - V_{FGNT} = 1.0 \text{ v}$

FIG 4b

NET: NT SELECT (WRITE) VOLTAGE THRESHOLD RANGE $1.0 \text{ v} < V_{NT \text{ TH}} < 2.0 \text{ v}$

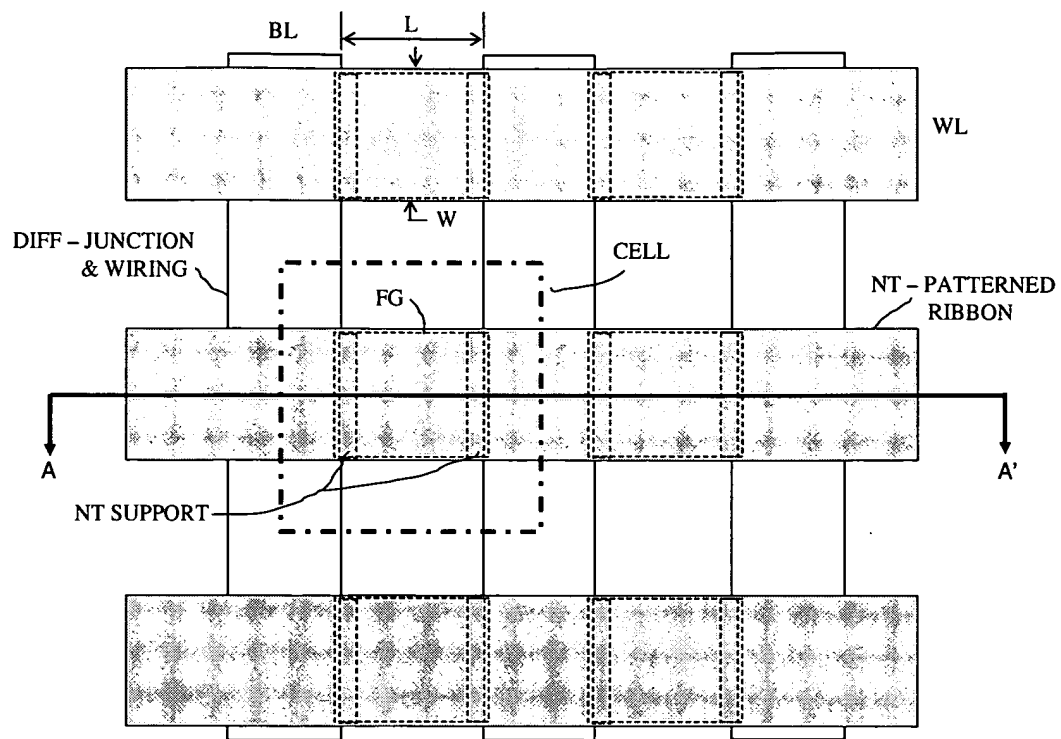
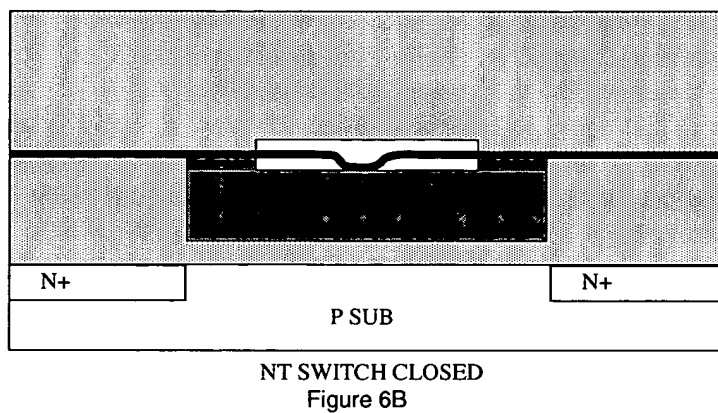
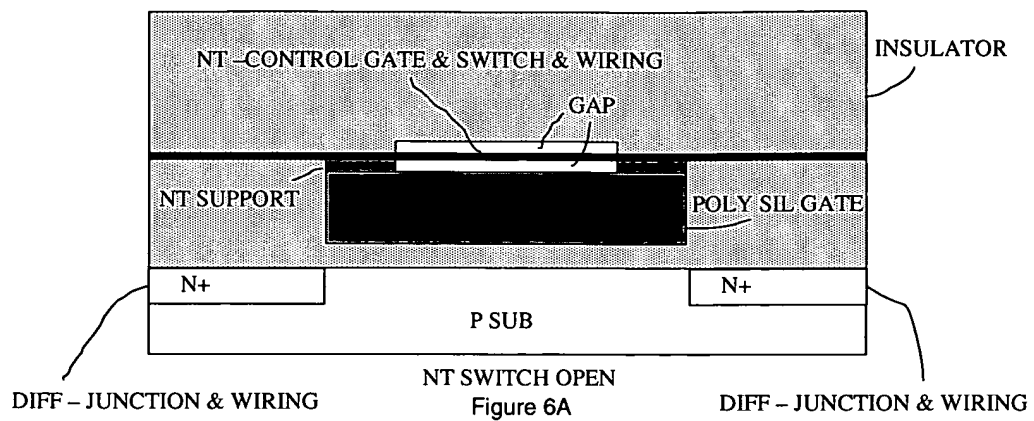
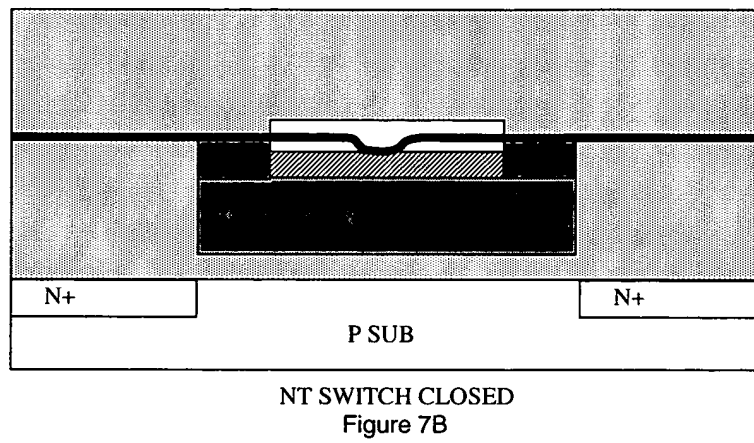
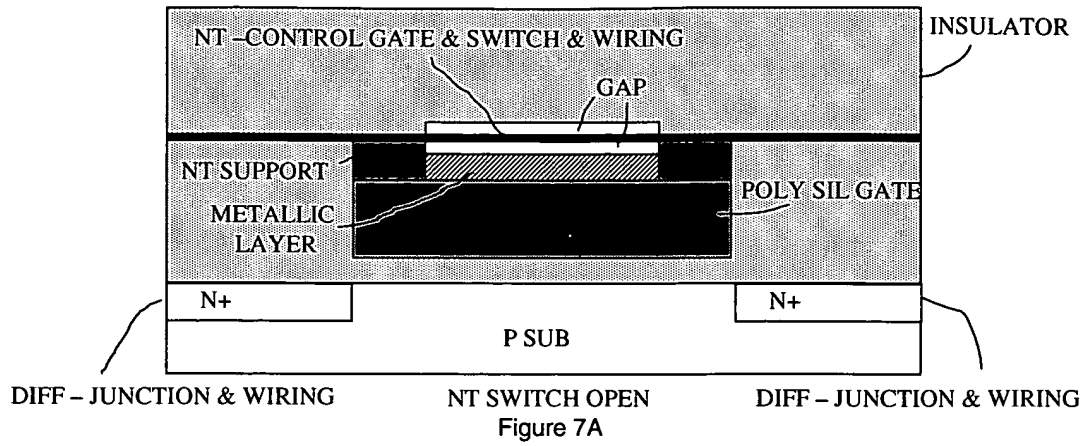
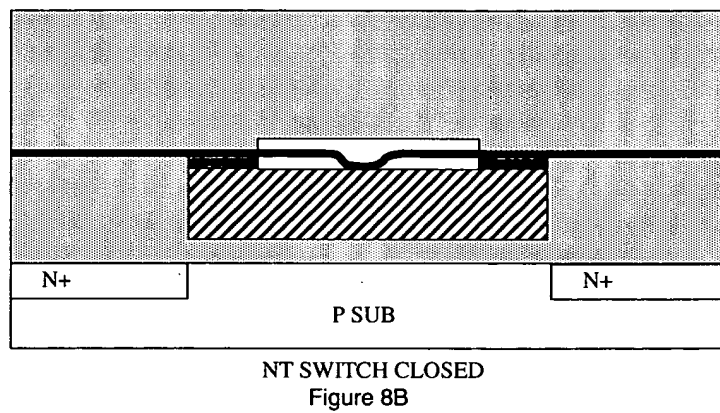
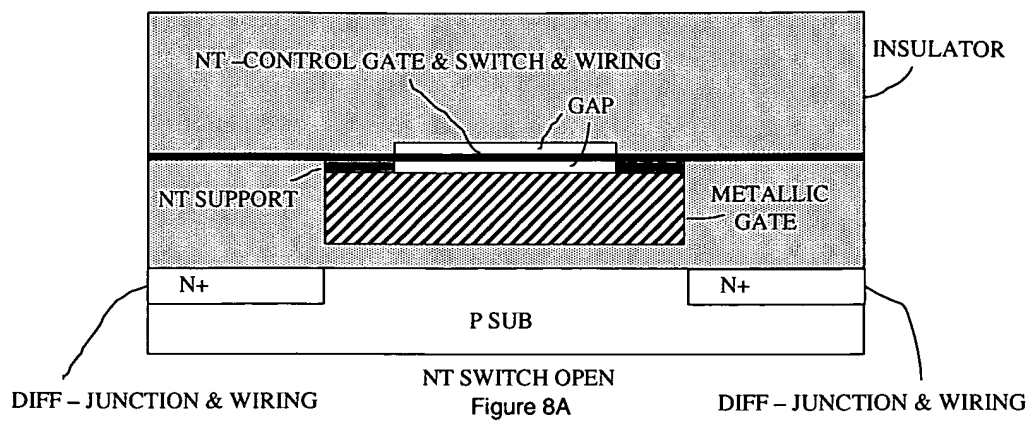


Figure 5







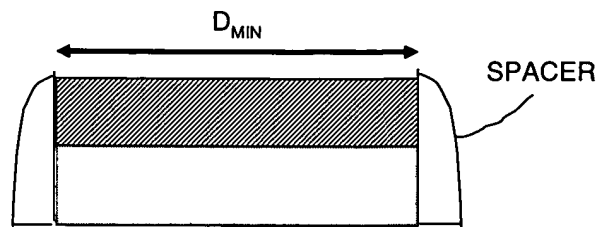


Figure 9A



Figure 9B

METALLIC
LAYER



SUPPORT

SACRIFICIAL
LAYER

Figure 9C

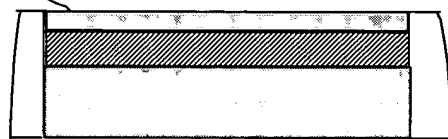


Figure 9D

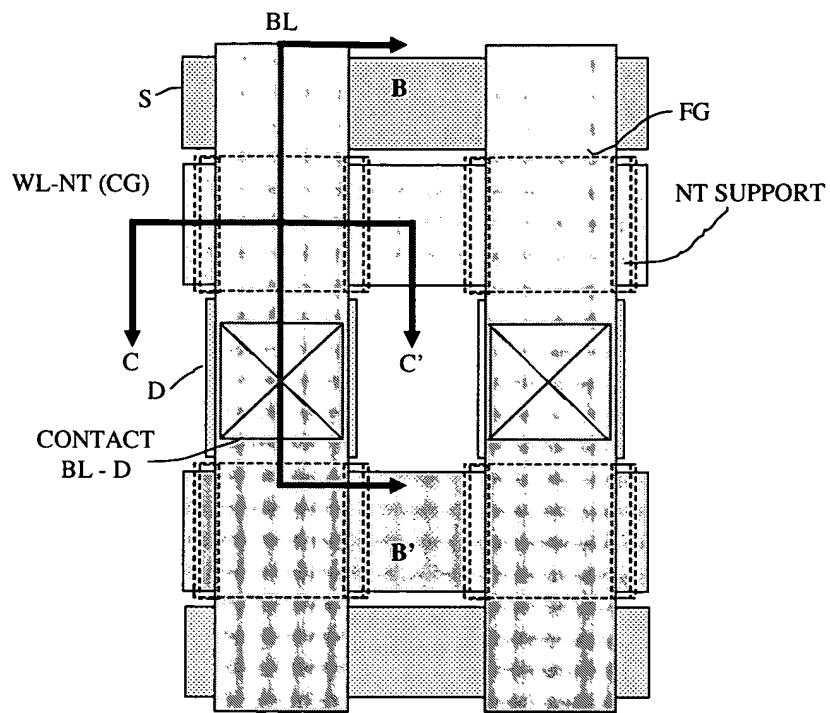


Figure 10

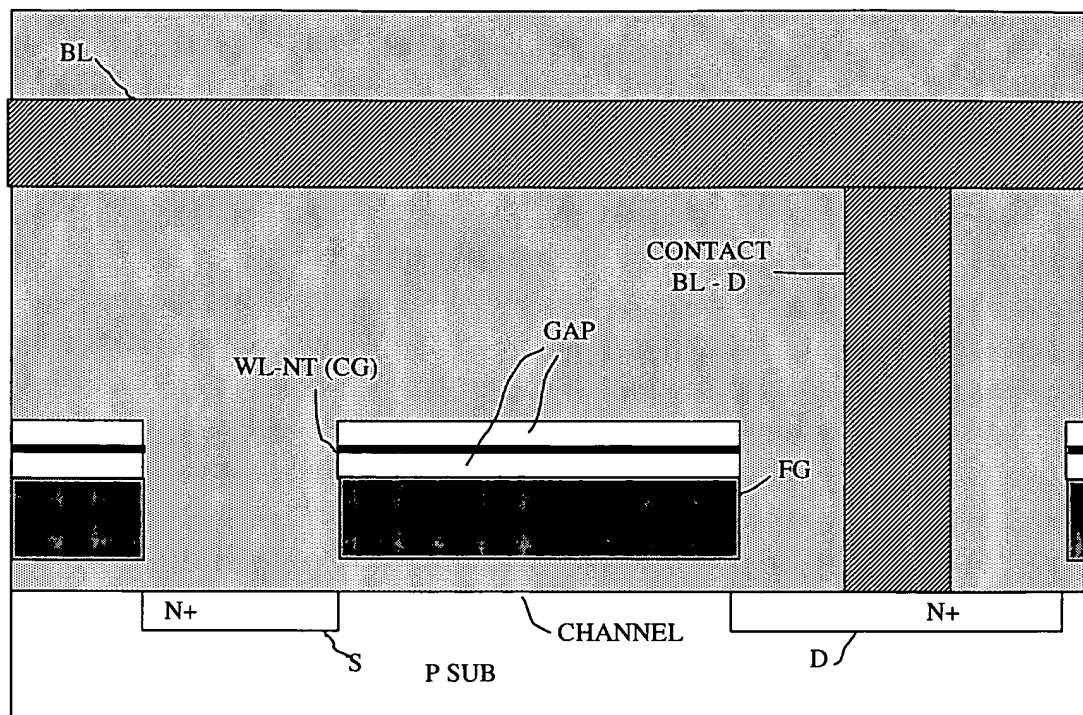


Figure 11

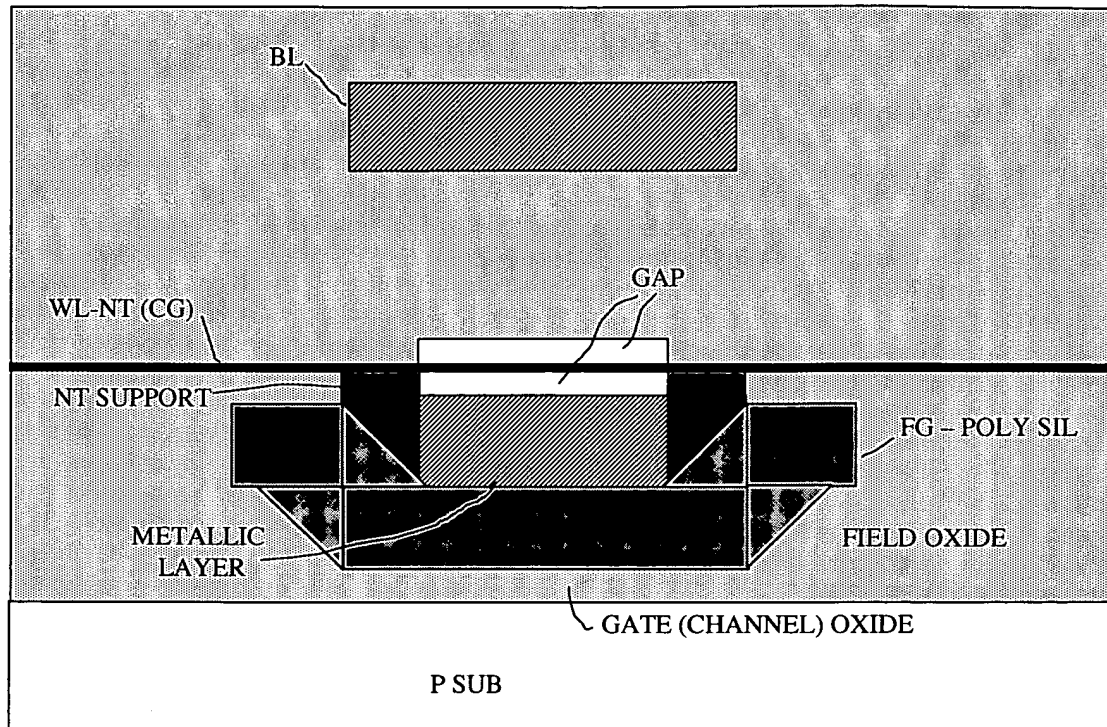


Figure 12

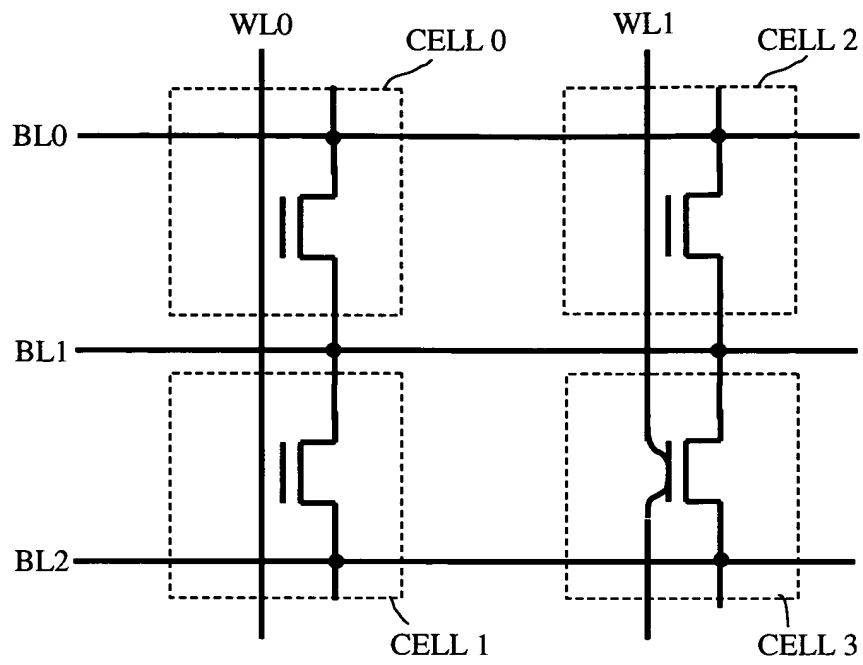


Figure 13

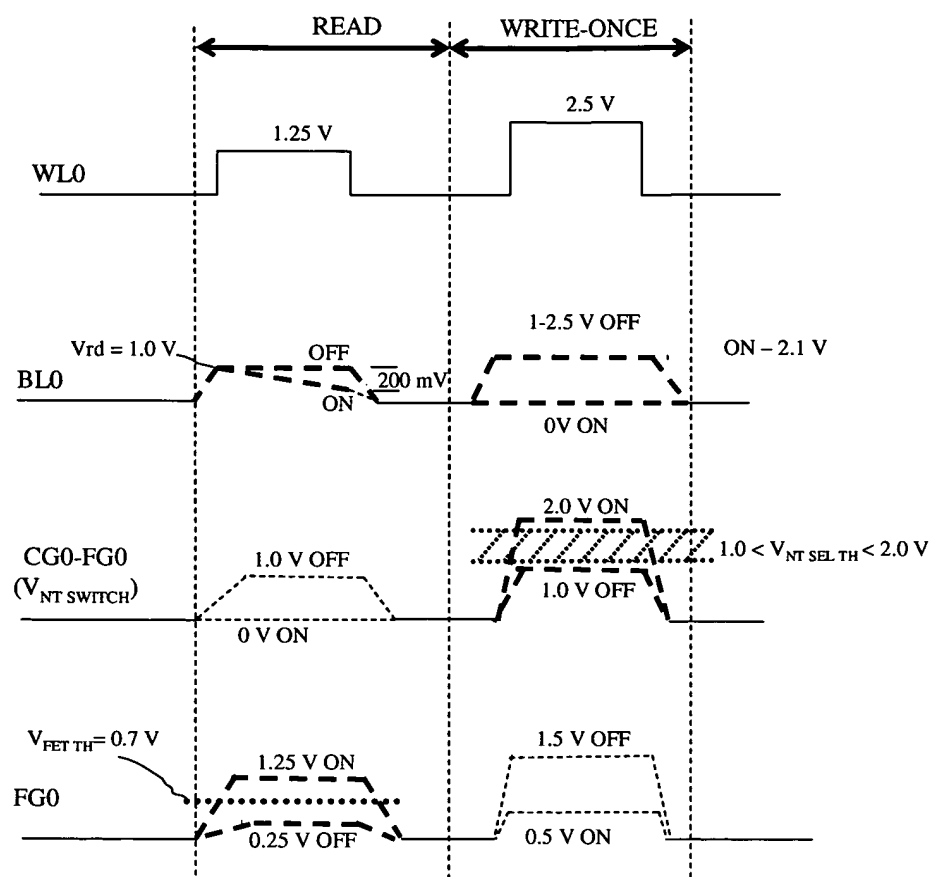


Figure 14

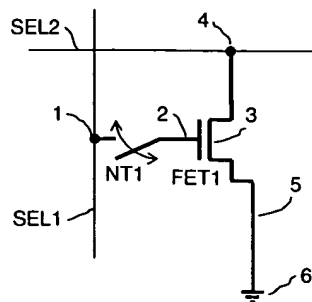


Figure 15A

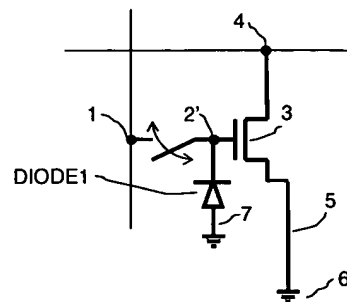


Figure 15B

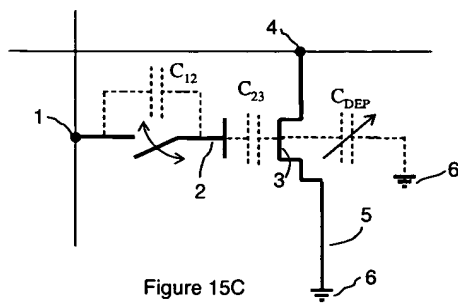


Figure 15C

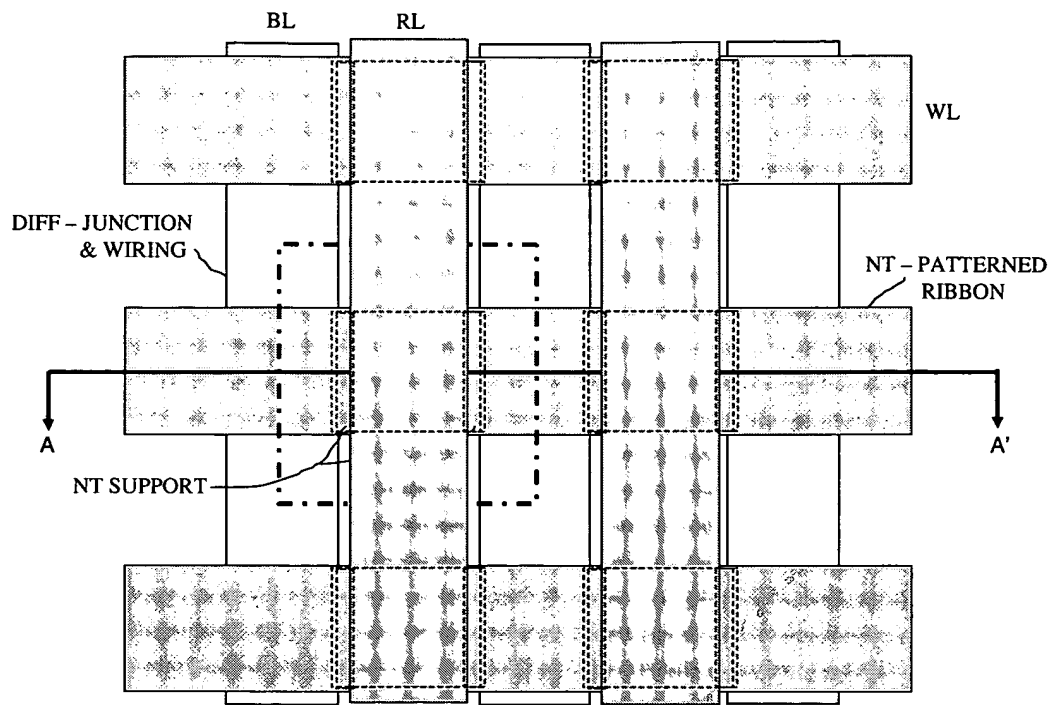


Figure 16

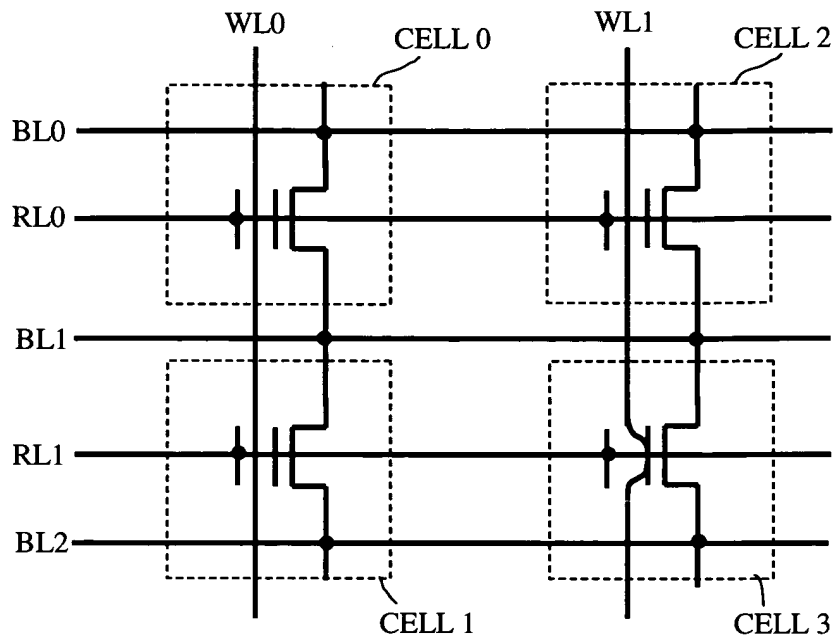


Figure 18

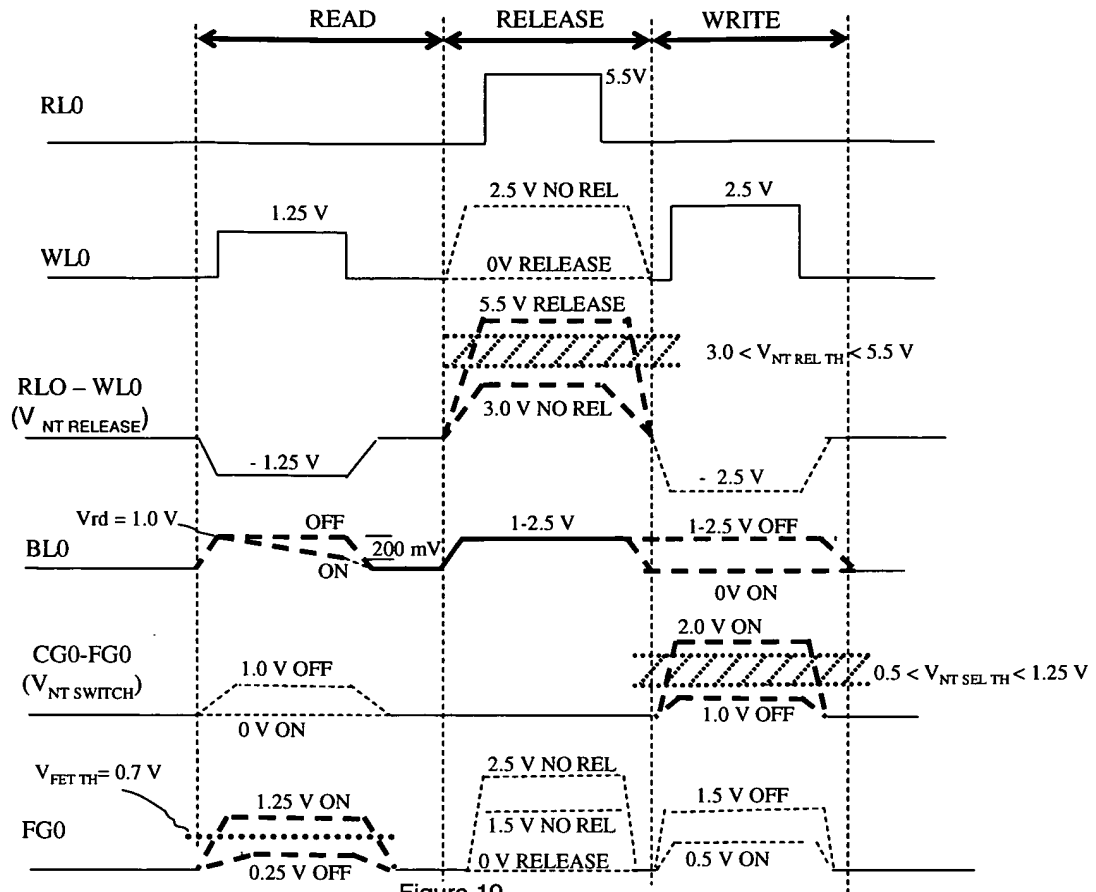


Figure 19

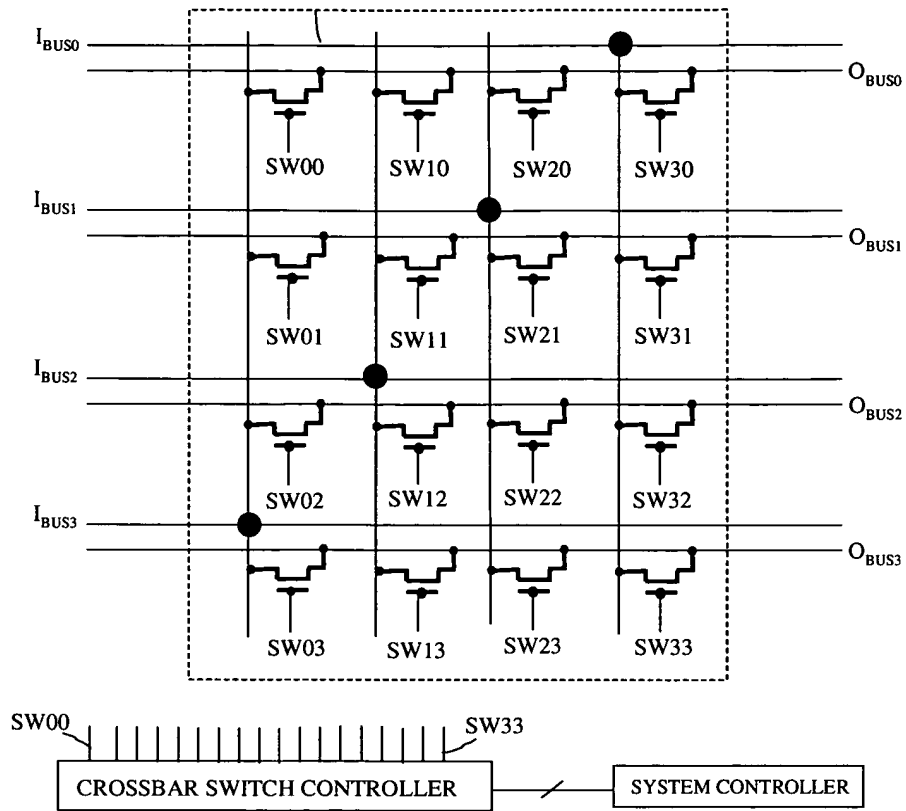


Figure 20

Prior Art

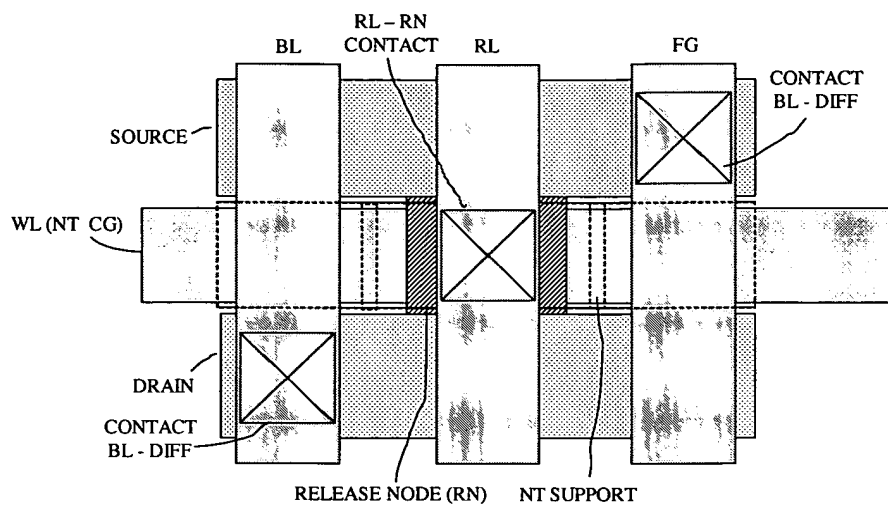


Figure 21

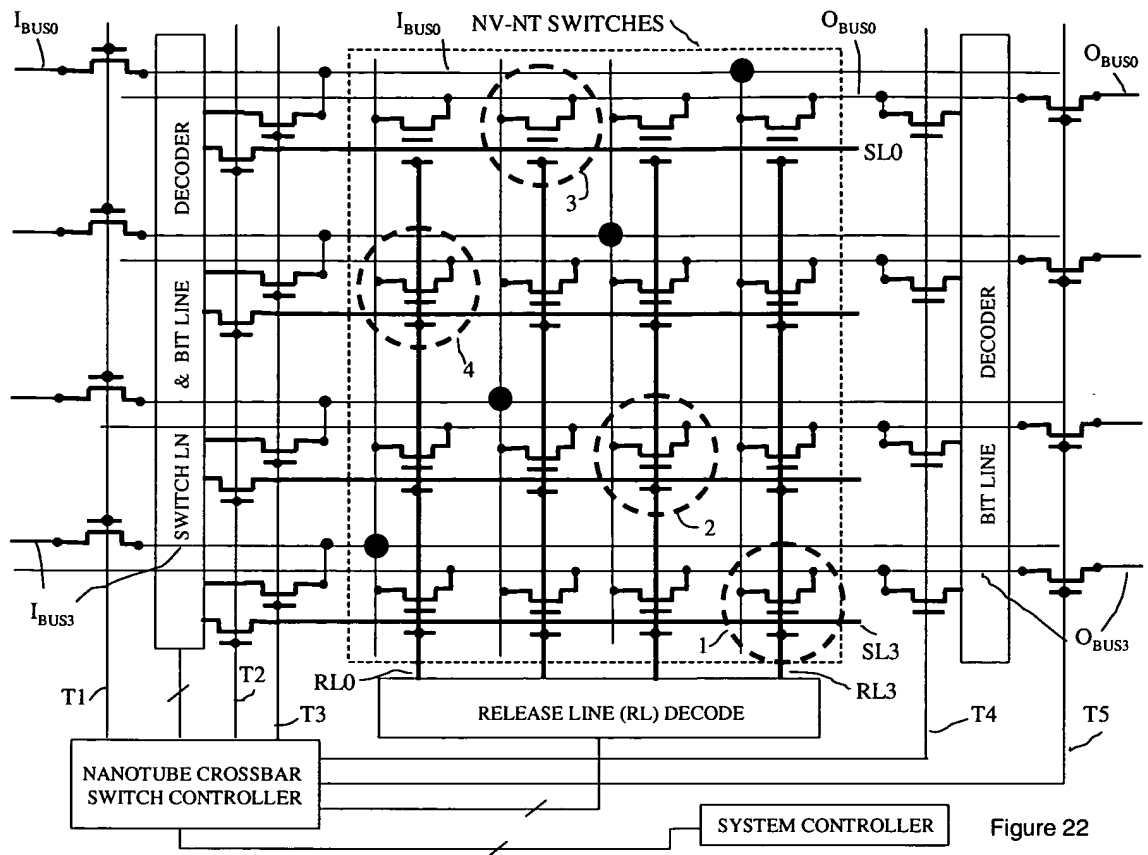


Figure 22